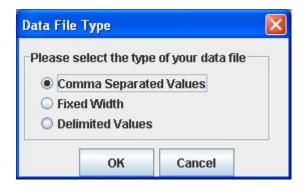
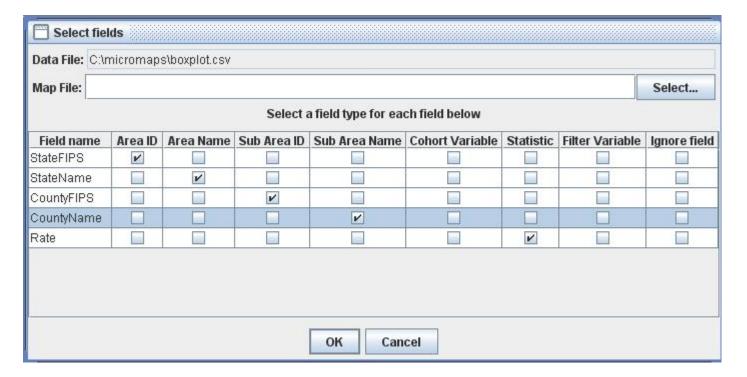
Tutorial E - Box-Plot With a Shape File

Note: Generally, it is not advisable to use a high-detail shapefile with PC Micromaps such as US by county, as the map may not appear properly. However, with a smaller dataset such as data for only a few states, you may want to use a shapefile which only contains those states.

- 1. Start Micromaps.
- 2. Go to File > New Session



- 3. Select Comma Separated Values (if it is not selected already) and click OK.
- 4. Select the data file (the file browser will look initially in the same directory as the Micromaps.exe file): **boxplot.csv** and click **Open.**
- 5. Then the **Select Fields** Screen will appear. Make the selections as shown below (note that the StateFIPS field is set to be the "Area ID" and CountyFIPS field is the "Sub Area ID")



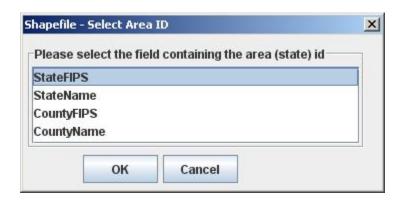
- 6. Since this data only has one record per county, the Cohort Variable column is blank.
- 7. Click on the **Select** button next to the **Map File** textbox and select **six_states.shp**.
- 8. Click **OK** on the **Select Fields** window. You should see a prompt:



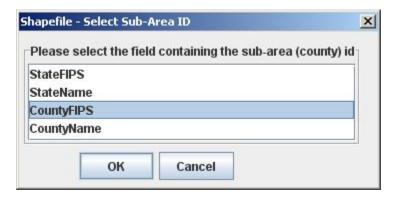
9. Click "Yes".

Note: it is also possible to use the box-plot feature with shapefiles that do not contain sub-area (county) coordinates.

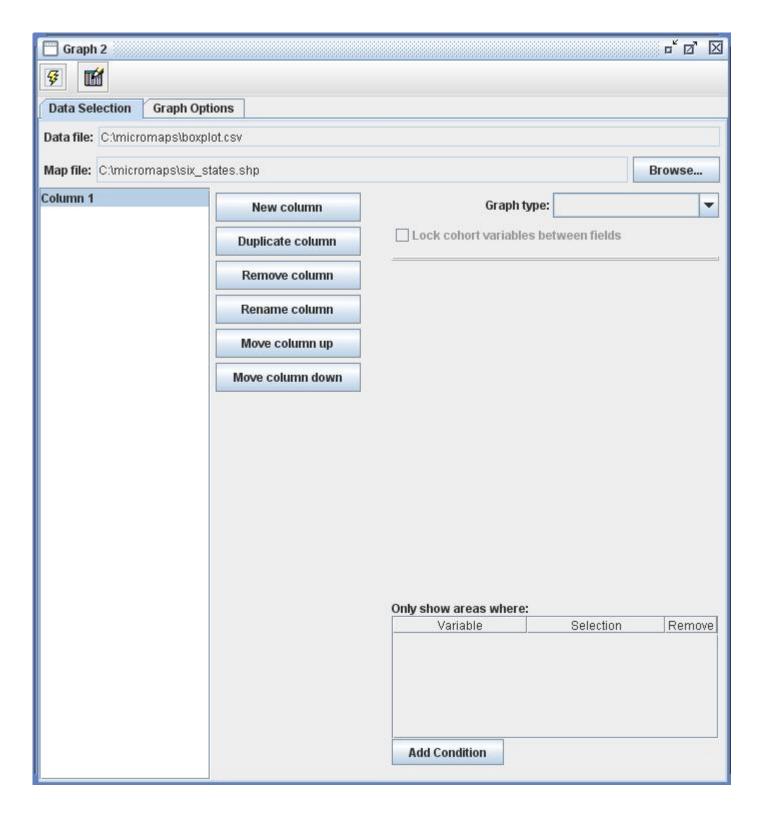
10. Select the field in the shapefile that corresponds to the Area ID. In this example, it is the **StateFIPS** field. Click **OK**.



11. Select the field in the shapefile that corresponds to the Sub-Area ID. In this example, it is the **CountyFIPS** field. Click **OK**.

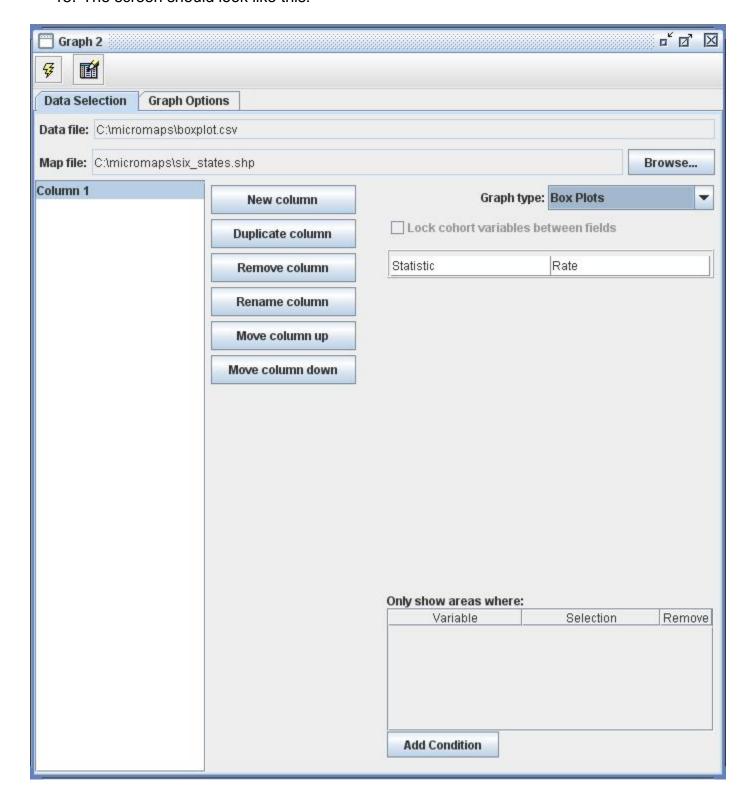


12. You should have a screen that looks like this:

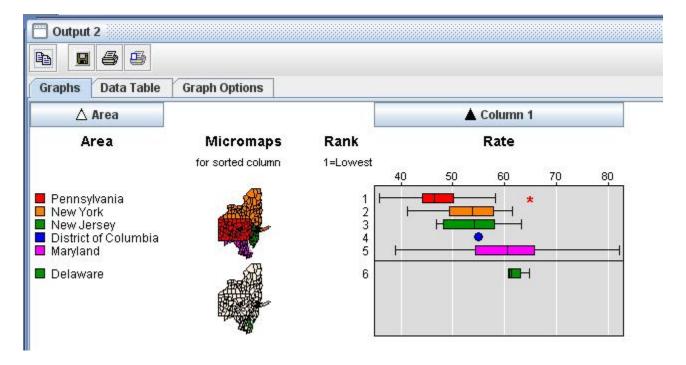


- 13. Select **Box Plots** from the **Graph Type** List Box.
- 14. Rate will show in the Statistic List Box.

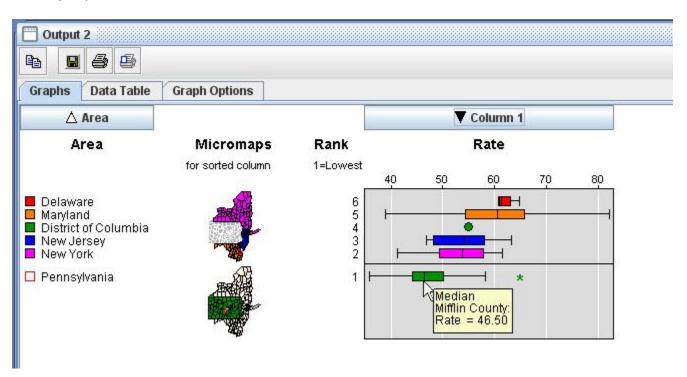
15. The screen should look like this:



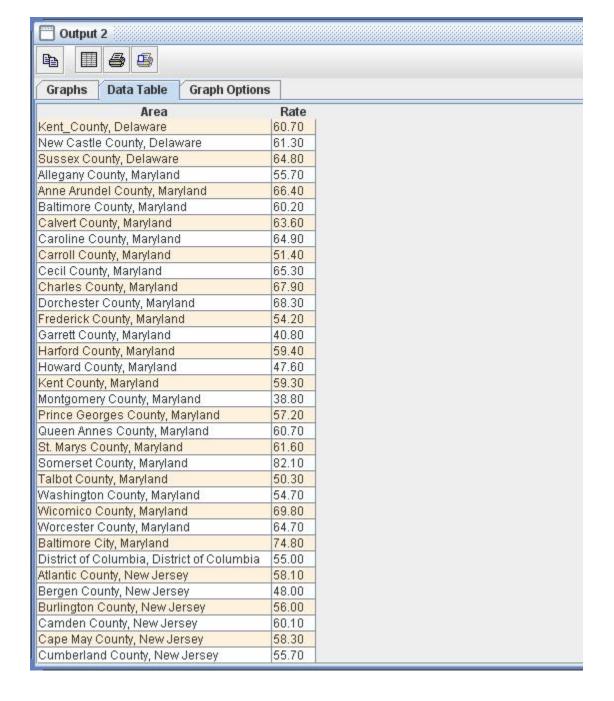
- 16. Then Click the **Lightning Bolt/Execute** Button.
- 17. Your result should look like this (see next page):



18. You can sort the box-plots by the median value or by the Area name by clicking on the header. By placing the mouse over the various parts of the box-plot you can see what county they represent.



19. You can also see the data for all of the counties/states in the Data Table.



20. To save the session, go to the **File Menu – Save Session As** option.